IN THE SPECIFICATION

1. Please replace the paragraph beginning on page 1, line 28 with the following replacement paragraph:

Communication systems, such as Code Division Multiple Access (CDMA) systems, communicate messages between infrastructure equipment and subscriber or mobile units. As used herein, a forward or downlink channel refers to data generated by cellular infrastructure equipment and transmitted for reception by a mobile communication unit, and a reverse or uplink channel refers to data generated by a mobile communication unit, such as a mobile cellular phone and transmitted for reception by the cellular infrastructure equipment, ~~spefically~~ specifically a base station.

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2. Please replace the paragraph beginning on page 5, line 14 with the following replacement paragraph:

The design of the cdma2000 LAC and MAC sublayers 206, 208 is motivated by many factors, among those being: the need to support a wide range of upper layer services; the requirement to provide for high efficiency and low latency for data services operating over a wide performance range; support for advanced QOS delivery of circuit and packet data services; and the demand for advanced multi-media services that support multiple concurrent voice, packet data, and circuit data services, each with varying QOS requirements. The cdma2000 MAC sublayer 208 provides two important functions: (1) best effort delivery - reasonably reliable transmission over the radio link with a Radio Link Protocol (RLP) 212 that provides a best effort level of reliability; and (2) multiplexing and QOS control – enforcement of negotiated QOS levels by mediating conflicting requests from competing services and by the appropriate prioritization of access requests. The resolution of these conflicting requirements is handed to a scheduler that prioritizes ~~the~~ and prepares the users and system requirements.

3. Please replace the paragraph beginning on page 5, line 31 with the following replacement paragraph:

In the preferred embodiment, the Mobile Unit transmits channel quality feedback on the Reverse Link, which indicates the measured quality metrics of the forward link. These metrics can be explicit (actual values of channel signal to noise measurements), implicit (power control commands) or a mixture of both. The channel quality metrics ~~a—fed~~ are fed into the scheduler which prepares the different ~~transmission~~ transmissions to the plurality of users and indicates the event to the MAC 208. For these applications, portions of the MAC are moved to the Base Stations from the PDG and CBSC 105.

4.   Please replace the paragraph beginning on page 7, line 27 with the following replacement paragraph:

FIG. 9 illustrates a flow chart detailing how the channel data is processed accordance with the method and system of the present invention. In the metric calculation module 701, the probability of the channel being in a constructive fade is scaled by a programmable parameter 'A' and combined with a priority Metric scaled by a programmable parameter 'B'. The Priority metric is a result of the time a packet is waiting in the transmission ~~Que~~ queue. The longer the wait time, the higher the priority for a given packet to be selected regardless of the channel conditions. Following the metric generation 701, the scheduler selects the highest metric in the metric selector 702. ~~One~~ Once the packet to be transmitted, or Mobile station to be serviced is known, the rate determination 703 defines which rate to use based on the channel conditions 705 and the coherence time left in the fade cycle ~~706~~ 704. The packet is transmitted in block 706. Block 707 resets the priority counters and the scheduling sequence starts all over again.

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